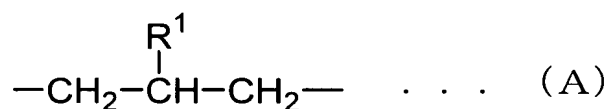


CLAIMS

1. A graft copolymer having a structure in which a vinyl polymer segment formed from a vinyl monomer having an acid is suspended in a molecular chain of polyolefin resin segment via a β -substituted propylene group.

2. The graft copolymer according to claim 1, wherein the β -substituted propylene group is a group represented by the formula (A):

[Formula A]



wherein R^1 represents a phenyl group, cyano group or —COORm (Rm represents an alkyl group having 1 to 4 carbon atoms)

3. The graft copolymer according to claim 1 or 2, wherein the polyolefin resin segment is a polypropylene resin segment.

4. The graft copolymer according to claim 1 or 2, wherein the polyolefin resin segment is an olefin elastomer segment.

5. The graft copolymer according to any of claims 1 to 4, wherein the content of the vinyl polymer segment is 0.1 to 30% by weight.

6. A graft copolymer composition containing the graft copolymer according to any of claims 1 to 5.

7. The graft copolymer composition according to claim 6, wherein partial crosslinking is present.

8. The graft copolymer composition according to claim 6 or 7, wherein the composition contains further a lubricant.

9. A molded product obtainable by molding the graft copolymer composition according to any of claims 6 to 8.

10. A method for producing a graft copolymer by reacting a vinyl monomer having an acid with polyolefin resin having a β -substituted propenyl group as a pendant.

11. A method for producing a graft copolymer by reacting a vinyl monomer having an acid with polyolefin resin having a β -substituted propenyl group as a pendant by heating and mixing at a temperature of not less than 30°C and not more than 400°C.

12. The method for producing a graft copolymer according to claim 10 or 11, wherein the polyolefin resin having a β -substituted propenyl group as a pendant is produced by reacting an addition-fragmentation chain transfer agent with polyolefin resin.